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PHOTOGRAPHIC INTERPRETATION REPORT



25X1A

MISSION 5510

28 APRIL 1966

NPIC/R-155/66

MAY 1966

ARCHIVAL RECORD  
RETURN TO AGENCY ARCHIVES

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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W A R N I N G

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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## PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the Index (MI) for this mission.

Items are arranged in sections.

The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

The map base used (when available and applicable) for the derivation of coordinates is the latest edition of the US Air Target Chart, Series 200, or AMS Series L509 1:250,000 (China); or ONC; or AMS Series 1301, IMW (Tibet, Western China).

The header line for each target contains, reading from

left to right, the target name, the geographic coordinates, the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photo interpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), or P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85 mm), and heavy (100 mm and larger). The term HMCAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

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THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p><b>-NORTH VIETNAM-</b></p> <p><b>MILITARY INSTALLATIONS</b></p> <p>NGUYEN KHE VEHICLE MAINTENANCE FACILITY TWO AREAS 1 NM SE OF NGUYEN KHE. 25X1D AREA A [REDACTED] -- WALL-AND FENCE- SECURED AREA WITH GUARD TOWERS CONSISTS OF 1 MULTISTORY ADMINISTRATION, 5 MONITOR- ROOF, 1 LARGE SAWTOOTH-ROOF, 5 PEAKED-ROOF MAINTENANCE/REPAIR, 1 SMALL GARAGE-TYPE, AND 5 SMALL SUPPORT BUILDINGS. OB -- 3 BTR-40, 2 TRACKED PRIME MOVERS, 44 CARGO TRUCKS, 3 POL TRUCKS, 12 CARGO 25X1D TRAILERS, 2 VAN TRAILERS, 2 TRUCK-MOUNTED CRANES, AND 8 UNIDENTIFIED VEHICLES. AREA B (SOUTH OF AREA A AT UTM [REDACTED] -- 19 SINGLE-STORY BARRACKS, 4 MULTISTORY ADMIN- ISTRATION/BARRACKS, 13 SMALL SINGLE-STORY SUPPORT, AND 2 SMALL REVETTED BUILDINGS AND 1 WATER TOWER. TRENCHES OBSERVED THROUGHOUT THE AREA. (SEE ATTACHMENT 1) 25X1D [REDACTED]</p> <p><b>ELECTRONICS/COMMUNICATIONS</b></p> <p>PHUC YEN EW/GCI RADAR SITE 0.9 NM SOUTH OF PHUC YEN AIRFIELD AT 25X1D UTM [REDACTED] TWO ELEVATED RADAR PADS AND 7 LARGE VEHICLE REVTMENTS ARE NEARING COMPLETION. THREE TENTS OBSERVED. OB -- 1 BAR LOCK-TYPE, 1 TOKEN-TYPE, 1 ROCK CAKE/STONE CAKE-TYPE, AND 1 PROBABLE ROCK CAKE/STONE CAKE-TYPE RADAR.</p>	<p>2109N 10546E</p> <p>2112N 10545E</p>	<p>0616</p> <p>0616</p>		<p>221-F</p> <p>326-F</p>

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
ACTIVITY -- 1 VAN TRUCK, 6 VAN TRAILERS AND 4 CARGO TRUCKS. (SEE ATTACHMENT 2) [REDACTED]				
25X1D				
PHUC YEN ELECTRONICS SITE 1.2 NM SE OF PHUC YEN AIRFIELD AT UTM [REDACTED] SITE CONSISTS OF A REVETTED CONTROL BUILDING, 5 SUPPORT BUILDINGS, AND 2 LARGE REVETMENTS (1 WITH A VERTICAL MAST). [REDACTED]	2112N 10549E	0616		326-G
25X1D				
25X1D				
TRUNG THO COMMUNICATIONS FACILITY 0.5 NM NW OF TRUNG THO AND 3.6 NM WEST OF PHUC YEN AIRFIELD AT UTM [REDACTED] SITE CONSISTS OF 1 HORIZONTAL DIPOLE ANTENNA, 1 REVETTED CONTROL BUILDING, AND 5 SUPPORT BUILDINGS. (SEE ATTACHMENT 3) [REDACTED]	2114N 10544E	0616		326-H
25X1D				
BASIC SERVICES				
NGUYEN KHE RAIL TRANSFER POINT 0.4 NM SOUTH OF NGUYEN KHE AT UTM [REDACTED] AND AT JUNCTION OF HANOI-LAO CAI AND HANOI- THAI NGUYEN RAIL LINES. RAIL TRANSFER POINT CONSISTS OF 8 RAIL SPURS IN CIRCULAR AND SEMICIRCULAR PATTERNS. NUMEROUS PILES OF TRACK AND OTHER FABRICATED METAL PRODUCTS ARE ALONG SPURS. AT LEAST 1,500 US 55-GAL-TYPE POL DRUMS OBSERVED IN	2109N 10551E	0616		221-D
25X1D				

25X1C

25X1D  
25X1D  
25X1D

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
LINEAR EXCAVATIONS PERPENDICULAR TO EASTERNMOST SPUR. TWO WAREHOUSE AREAS ARE ASSOCIATED WITH THE FACILITY. ONE IMMEDIATELY SE OF RAIL SPURS AT [REDACTED] CONTAINS 8 LARGE SINGLE-STORY WAREHOUSES AND NUMEROUS PILES OF MATERIAL IN OPEN STORAGE. THE SECOND AREA, NORTH OF RAIL SPURS AT UTM [REDACTED] IS SECURED AND CONTAINS 8 WAREHOUSES AND 3 SMALLER BUILDINGS. TWO RAILBEDS HAVE BEEN CONSTRUCTED FROM MAIN RAIL LINE TO WAREHOUSE AREA, BUT AREA IS NOT YET RAIL-SERVED. ACTIVITY -- 46 PIECES OF ROLLING STOCK IN RAILYARD. [REDACTED]				
STORAGE			25X1A	
NGUYEN KHE POL PRODUCTS STORAGE 0.3 NM SOUTH OF NGUYEN KHE AT [REDACTED] SECURED FACILITY CONTAINS 9 BURIED POL TANKS, 4 ABOVE-GROUND POL TANKS, 16 UNOCCUPIED PROB- ABLE UNDERGROUND POL EXCAVATIONS, 3 ELEVATED HORIZONTAL POL TANKS, 3 OVERFLOW PONDS, AND A POL DRUM RECONDITIONING AND PACKAGING PLANT CONSISTING OF 3 ADMINISTRATION BUILDINGS, 4 POL DRUM STORAGE BUILDINGS, 2 VEHICLE SHEDS, 5 SUPPORT BUILDINGS, AND 5 MISCELLANEOUS BUILDINGS. APPROXIMATELY 3,000 US 55-GAL-TYPE POL DRUMS ARE DISPERSED THROUGHOUT AREA.	2109N 10551E	0616	[REDACTED]	221-E

25X1D

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
FACILITY IS SERVED BY RAIL SPUR WITH 7 POL TRANSFER PUMPS AND A TRANSFER POINT. SEVENTY-SEVEN 2,000-GAL-TYPE POL TANKS OBSERVED ALONG RAIL SPUR 0.3 NM SOUTH OF STORAGE AREA. (SEE ATTACHMENT 4) [REDACTED]				

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THIS SECTION PROVIDES A DESCRIPTION OF PREVIOUSLY REPORTED TARGETS SHOWING CHANGE.

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>-NORTH VIETNAM-</p> <p>BASIC SERVICES</p> <p>HANOI-HAIPHONG RAILROAD</p> <p>25X1D A NEW RAIL BY-PASS IS UNDER CONSTRUCTION</p> <p>25X1D AT 20-57N 106-10E FROM UTM [REDACTED] TO [REDACTED] 25X1D</p> <p>25X1D [REDACTED]</p> <p>25X1D [REDACTED] 25X1D</p> <p>HANOI--LAO CAI RR SEGMENT 5</p> <p>25X1D RAILROAD COVERED FROM UTM [REDACTED] TO [REDACTED]</p> <p>RAIL LINE AND BRIDGES ARE INTACT AND LINE IS OPERATIONAL.</p> <p>25X1A ACTIVITY -- 4 GONDOLA CARS CONTAINING 8</p> <p>25X1D ROUND UNIDENTIFIED OBJECTS AND 2 BOX CARS</p> <p>ON RAIL SPUR AT UTM [REDACTED] 25X1D</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	<p>2101N 10551E</p> <p>2110N 10548E</p>	<p>0616</p> <p>0616</p>		<p>113-B</p> <p>113-G</p>

THIS SECTION PROVIDES ORDER OF BATTLE INFORMATION.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
-NORTH VIETNAM-				
AIR			25X1A	
PHUC YEN AIRFIELD	2113N 10548E	0616	[REDACTED]	326-C
OB -- 10 FAGOT/FRESCO, 1 COOT, AND 13 UNIDENTIFIED AIRCRAFT.				
[REDACTED]				
GROUND				
NGUYEN KHE VEHICLE MAINTENANCE FACILITY	2109N 10546E	0616		221-F
OB -- 3 BTR-40, 2 TRACKED PRIME MOVERS, 44 CARGO TRUCKS, 3 POL TRUCKS, 12 CARGO TRAILERS, 2 VAN TRAILERS, 2 TRUCK-MOUNTED CRANES, AND 8 UNIDENTIFIED VEHICLES. (SEE ATTACHMENT 1)				
[REDACTED]				
ELECTRONICS				
PHUC YEN EW/GCI RADAR SITE	2112N 10545E	0616		326-F
OB -- 1 BAR LOCK-TYPE, 1 TOKEN-TYPE, 1 ROCK CAKE/STONE CAKE-TYPE, AND 1 PROBABLE ROCK CAKE/STONE CAKE-TYPE RADAR. ACTIVITY -- 1 VAN TRUCK, 6 VAN TRAILERS, AND 4 CARGO TRUCKS. (SEE ATTACHMENT 2)				
[REDACTED]				
MISCELLANEOUS				
EQUIPMENT SIGHTING	2108N 10552E	0616		
APPROXIMATELY 15 VEHICLES/PIECES OF EQUIPMENT OBSERVED DISPERSED IN AN ORCHARD 6.9 NM NNE OF HANOI AT UTM [REDACTED]				
[REDACTED]				

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
25X1D NGUYEN KHE RAIL TRANSFER POINT ACTIVITY -- 46 PIECES OF ROLLING STOCK IN RAILYARD. [REDACTED]	2109N 10551E	0616		221-D
25X1A 25X1D HANOI--LAO CAI RR SEGMENT 5 ACTIVITY -- 4 GONDOLA CARS CONTAINING 8 ROUND UNIDENTIFIED OBJECTS AND 2 BOX CARS ON RAIL SPUR AT UTM [REDACTED] [REDACTED]	2110N 10548E	0616		113-G